Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti; and

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as an additional element; and

second-phase particles ~~formed of Cu, Ti and the additional element~~ represented by Cu-Ti-X system particles, wherein X is selected from the group consisting of Fe, Co, Ni, Cr, V, Zr, B, and P;

wherein not less than 50% of the total content of the additional element exists as the second-phase particle.

2.   (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as an additional element; and

second-phase particles ~~formed of Cu, Ti and the additional element~~ represented by Cu-Ti-X system particles, wherein X is selected from the group consisting of Fe, Co, Ni, Cr, V, Zr, B, and P;

wherein the second-phase particles have not less than 0.01 μm^2 area observed by a cross section speculum, and the rate of the number of second-phase particles in which the content of the additional element within the second-phase particles is not less than 10 times the content of the additional element within the alloy is not less than 70% of the total number of the second-phase particles.

3.   (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as an additional element; and

a second-phase particle ~~formed of Cu, Ti and the additional element~~ represented by Cu-Ti-X system particles, wherein X is selected from the group consisting of Fe, Co, Ni, Cr, V, Zr, B, and P;

wherein the second-phase particle has not less than 0.01 μm^2 area observed by a cross section speculum, and the second-phase particle has an area percentage Af of not more than 1.0%.

4.   (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P as an additional element;

second-phase particles ~~formed of Cu, Ti and the additional element,~~ represented by Cu-Ti-X system particles, wherein X is selected from the group consisting of Fe, Co, Ni, Cr, V, Zr, B, and P, and wherein the second-phase particles have not less than 0.01 μm^2 area observed by a cross section speculum; and

an equable dispersion degree E defined by the following equation

$$E = \frac{\sqrt{\frac{1}{n}\sum_{i}^{n}\left(d_i - \sqrt{A_0/N_A}\right)^2}}{\sqrt{\frac{A_0}{N_A}}}$$

wherein d_i is the distance from an i-th second-phase particle to a nearest second-phase particle, A_0 is the measured visual field area, and N_A is the number of the second-phase

particles confirmed within the measured visual field area, wherein the equable dispersion

degree E is not more than 0.8.

5.   (Currently Amended) A copper alloy comprising:

2.0 to 4.0 mass% of Ti;

0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and

P as an additional element;

an area percentage Af of second-phase particles ~~formed of Cu, Ti and the additional~~

~~element,~~ represented by Cu-Ti-X system particles, wherein X is selected from the group

consisting of Fe, Co, Ni, Cr, V, Zr, B, and P, and wherein the second-phase particles have not

less than 0.01 μm^2 area observed by a cross section speculum, and the area percentage Af is

not more than 1.0%;

the second-phase particles with not less than 0.01μm^2 area observed by the cross

section speculum; and

an equable dispersion degree E defined by the following equation

$$E = \frac{\sqrt{\frac{1}{n}\sum_i^n \left(d_i - \sqrt{A_0/N_A}\right)^2}}{\sqrt{\frac{A_0}{N_A}}}$$

wherein d_i is the distance from an i-th second-phase particle to a nearest second-phase

particle, A_0 is the measured visual field area, and N_A is the number of the second-phase

particles confirmed within the measured visual field area, wherein the equable dispersion

degree E is not more than 0.8.

6.   (Original) The copper alloy according to claim 1, wherein the content of the

Ti is 2.5 to 3.5 mass%.

7.   (Withdrawn) A producing method for the copper alloy of claim 1 comprising the steps of:

producing an ingot in which 0.01 to 0.50 mass% of at least one element selected from Fe, Co, Ni, Cr, V, Zr, B, and P is added to Cu, and 2.0 to 4.0 mass% of Ti is added;

solution treating for heating the ingot up to ultimate temperature T°C, the ingot heated to temperature exceeding 600°C at a heating rate of not less than 20°C /sec, and the ingot is then held for not less than 10 sec within a temperature range of T-100°C to T°C, resulting in a supersaturated solid solution;

cold rolling by applying cold rolling with 5 to 50% of degree of processing from conditions of the supersaturated solid solution; and

aging treating for applying a thermal treatment to the rolled material at 350 to 450°C.